

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1)  
 Catalog Number: E7300S  
 Packaging Lot Number: 10084715  
 Expiration Date: 08/2021  
 Storage Temperature: -20°C  
 Specification Version: PS-E7300S/L v1.0

NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7355AVIAL	ProtoScript® II Reverse Transcriptase	10066055	Pass
E7334AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10066053	Pass
E7333AVIAL	NEBNext® SR RT Primer for Illumina®	10066047	Pass
E7332AVIAL	NEBNext® 3' SR Adaptor for Illumina®	10066045	Pass
E7328AVIAL	NEBNext® 5' SR Adaptor for Illumina®	10066051	Pass
E7327AVIAL	Nuclease-free Water	10066024	Pass
E7326AVIAL	TE Buffer	10066025	Pass
E7325AVIAL	Linear Acrylamide	10066023	Pass
E7324AVIAL	DNA Gel Elution Buffer	10066022	Pass
E7323AVIAL	Quick-Load® pBR322 DNA-MspI Digest	10066021	Pass
E7322AVIAL	NEBNext® Index 12 Primer for Illumina®	10066041	Pass
E7321AVIAL	NEBNext® Index 11 Primer for Illumina®	10066039	Pass
E7320AVIAL	NEBNext® Index 10 Primer for Illumina®	10066037	Pass
E7319AVIAL	NEBNext® Index 9 Primer for Illumina®	10066035	Pass
E7318AVIAL	NEBNext® Index 8 Primer for Illumina®	10066034	Pass
E7317AVIAL	NEBNext® Index 7 Primer for Illumina®	10066033	Pass
E7316AVIAL	NEBNext® Index 6 Primer for Illumina®	10066032	Pass
E7315AVIAL	NEBNext® Index 5 Primer for Illumina®	10066031	Pass
E7314AVIAL	NEBNext® Index 4 Primer for Illumina®	10066030	Pass
E7313AVIAL	NEBNext® Index 3 Primer for Illumina®	10066028	Pass
E7312AVIAL	NEBNext® Index 2 Primer for Illumina®	10066027	Pass
E7311AVIAL	NEBNext® Index 1 Primer for Illumina®	10066026	Pass
E7310AVIAL	NEBNext® SR Primer for Illumina®	10066049	Pass
E7309AVIAL	LongAmp® Taq 2X Master Mix	10066020	Pass
E7308AVIAL	Murine RNase Inhibitor	10066017	Pass
E7305AVIAL	NEBNext® 5' Ligation Enzyme Mix	10066019	Pass
E7304AVIAL	NEBNext® 5' Ligation Reaction Buffer	10066018	Pass

NEBNext <sup>®</sup> Multiplex Small RNA Library Prep Set for Illumina <sup>®</sup> (Set 1) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7301AVIAL	NEBNext <sup>®</sup> 3' Ligation Reaction Buffer	10066016	Pass
E7288AVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10066057	Pass
E6138AVIAL	Gel Loading Dye, Blue, 6X	10066043	Pass

Assay Name/Specification	Lot # 10084715
<p><b>Functional Testing (Library Construction, Small RNA)</b> Each of the components is functionally validated and compared to the previous lot through construction of libraries made from commercially available human brain RNA using the kit's minimum and maximum input requirements. Libraries made from previous and current lots are sequenced on the same Illumina<sup>®</sup> flow cell and compared across various metrics including library yield and number of miRNAs identified.</p>	Pass
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Multiplex Small RNA Library Prep Set for Illumina<sup>®</sup> (Set 1) and meet the designated specifications.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.

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11 Sep 2020



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11 Sep 2020